

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/10293

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ F02D41/04, F01N3/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ F02D41/00, F02D43/00, F02D45/00, F01N3/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-141388 A (Robert Bosch GmbH.), 25 May, 1999 (25.05.99),	1-3
Y	Page 2, right column, line 40 to page 3, left column, line 7; page 3, right column, line 37 to page 5, left column, line 10; page 5, left column, lines 11 to 14	4
A	& DE 1973956 A	5-10
Y	JP 10-220267 A (Toyota Motor Corp.), 18 August, 1998 (18.08.98), Full text; all drawings (Family: none)	4
A		5-10

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "P" document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search
03 December, 2003 (03.12.03)Date of mailing of the international search report
16 December, 2003 (16.12.03)Name and mailing address of the ISA/
Japanese Patent Office

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